

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>( Not for submission under 37 CFR 1.99 )</i>	Application Number		10764800
	Filing Date		2004-01-26
	First Named Inventor		M.F. FONTOURA et al.
	Art Unit		2166
	Examiner Name		Mohammad Ali
	Attorney Docket Number		SVL920030118US1

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	1	4965763		1990-10-23	Zamora	
	2	5187790		1993-02-16	East et al.	
	3	5265221		1993-11-23	Miller	
	4	5297039		1994-03-22	Kanaegami et al.	
	5	5638543		1997-06-10	Pederson et al.	
	6	5708825		1998-01-13	Solomayor	
	7	5721938		1998-02-24	Stuckey	
	8	5721939		1998-02-24	Kaplan	

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9	5832480	1998-11-03	Byrd, Jr. et al.	
10	5809502	1998-09-15	Burrows	
11	5862325	1999-01-19	Reed et al.	
12	5884305	1999-03-16	Kleinberg et al.	
13	5890103	1999-03-30	Carus	
14	5903646	1999-05-11	Rackman	
15	5909677	1999-06-01	Broder et al.	
16	5933822	1999-08-03	Braden-Harder et al.	
17	5963940	1999-10-05	Liddy et al.	
18	5974412	1999-10-26	Hazlehurst et al.	
19	6026388	2000-02-15	Liddy et al.	

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20	6029165		2000-02-22	Gable	
21	6035268		2000-03-07	Carus et al.	
22	6119124		2000-09-12	Broder et al.	
23	6182062		2001-01-30	Fujisawa et al.	
24	6192333		2001-02-20	Penthaloudakis	
25	6205456		2001-03-20	Nakao	
26	6243713		2001-06-05	Nelson et al.	
27	6269361		2001-07-31	Davis et al.	
28	6285999		2001-09-04	Page	
29	6295529		2001-09-25	Corston-Oliver et al.	
30	6308179		2001-10-23	Peterson et al.	

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31	6324566	2001-11-27	Himmel et al.	
32	6381602	2002-04-30	Shoroff et al.	
33	6421655	2002-07-16	Horvitz et al.	
34	6519592	2003-02-11	Gethius et al.	
35	6547829	2003-04-15	Meyerzon et al.	
36	6553385	2003-04-22	Johnson et al.	
37	6578032	2003-06-10	Chandrasekar et al.	
38	6594682	2003-07-15	Peterson et al.	
39	6615209	2003-09-02	Gomes et al.	
40	6618725	2003-09-09	Fukuda et al.	
41	6622211	2003-09-16	Henry et al.	

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42	6631369		2003-10-07	Meyerzon et al.	
43	6631496		2003-10-07	Li et al.	
44	6633872		2003-10-14	Ambrosini et al.	
45	6643650		2003-11-04	Slaughter et al.	
46	6658406		2003-12-02	Mazner et al.	
47	6658423		2003-12-02	Pugh et al.	
48	6665657		2003-12-16	Dibachi	
49	6678409		2004-01-13	Wu et al.	
50	6754873		2004-06-22	Law et al.	

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**U.S. PATENT APPLICATION PUBLICATIONS**

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**FOREIGN PATENT DOCUMENTS**

Examiner Initial*	Cite No	Foreign Document Number <sup>3</sup>	Country Code <sup>2</sup> i	Kind Code <sup>4</sup>	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T <sup>5</sup>
	1	0 809 197	EP		1997-11-26	Ishikawa et al.		<input type="checkbox"/>
	2	9749048	WO		1997-12-24	Yanhong		<input type="checkbox"/>

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**NON-PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>5</sup>
	1	AGRAWAL, S., S CHAUDHURI and G. DAS, "DBXplorer: A System for Keyword-Based Search over Relational Databases," Proceedings of 18th International Conference on Data Engineering, 2002, 12 pp.	<input type="checkbox"/>
	2	AGRAWAL, S., S CHAUDHURI and G. DAS, "DBXplorer: Enabling Keyword Search over Relational Databases", Proceedings of the 2002 ACM SIGMOD International Conference on Management of Data, 2002, pg. 627.	<input type="checkbox"/>
	3	BHALOTIA, G., A. HULGERI, C NAKHE, S. CHAKRABARTI and S. SUDARSHAN, "Keyword Searching and Browsing in Databases Using BANKS", Proceedings of the 18th International Conference on Data Engineering, 2002, 10 pp.	<input type="checkbox"/>
	4	BRIN, S. and L. PAGE, "The Anatomy of a Large-Scale Hypertextual Web Search Engine", Computer Networks and ISDN Systems, Vol. 30, No. 1-7, 1998, pp. 107-117.	<input type="checkbox"/>

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5	BRODER, A.Z., D. CARMEL, M. HERSCOVICHI, A. SOFFER and J. ZIEN, "Efficient Query Evaluation Using a Two-Level Retrieval Process", Twelfth International Conference on Information Knowledge Management (CIKM 2003), 2003, pp. 426-434	<input type="checkbox"/>
6	BRODER, A.Z., S.C. GLASSMAN, M.S. MANASSE, and G. ZWEIG, "Syntactic Clustering of the Web", Computer Networks and ISDN Systems, Vol. 29, Iss. 8-13, 1997, pp. 1157-1166.	<input type="checkbox"/>
7	BRUNO, N., K. KOUDAS and D. SRIVASTAVA, "Holistic Twig Joins: Optimal XML Pattern Matching", Proceedings of the 2002 ACM SIGMOD International Conference on Management of Data, 2002, pp. 310-321.	<input type="checkbox"/>
8	CARMEL, D., Y. MAAREK, M. MANDELBROD, Y. MASS and A. SOFFER, "Searching XML Documents via XML Fragments," Proceedings of the 26th Annual International ACM SIGIR Conference on Research and Development in Information Retrieval, 2003, pp. 151-158.	<input type="checkbox"/>
9	FONTOURA, M., E. SHEKITA, J. ZIEN, S. RAJAGOPALAN and A. NEUMANN, "High Performance Index Build Algorithms for Intranet Search Engines", Proceedings of 30th International Conference on Very Large Data Bases, 2004, pp. 1158-1169.	<input type="checkbox"/>
10	FRENCH, G., "Hacking the Google Numrange Operator", [online], April 1, 2004, [retrieved on August 31, 2004], retrieved from the Internet at <URL: <a href="http://www.webpronews.com/insiderreports/searchinsider/wpn-49-20040401HackingtheGoogleNumrangeOperator.htm">http://www.webpronews.com/insiderreports/searchinsider/wpn-49-20040401HackingtheGoogleNumrangeOperator.htm</a> >.	<input type="checkbox"/>
11	GOOGLE, "Advanced Search", [online], 2003, [retrieved on August 31, 2004], retrieved from the Internet at <URL: <a href="http://www.google.com/help/refinerearch.html">http://www.google.com/help/refinerearch.html</a> >.	<input type="checkbox"/>
12	GRAVANO, L., P.G. IPEIROTIS, N. KOUDAS and D. SRIVASTAVA, "Text Joins in an RDBMS for Web Data Integration", Proceedings of the 12th International Conference on World Wide Web, 2003, pp. 90-101.	<input type="checkbox"/>
13	GUTTMAN, A., "R-Trees: A Dynamic Index Structure for Spatial Searching", Proceedings of the 1984 ACM SIGMOD International Conference on Management of Data, 1984, pp. 47-57.	<input type="checkbox"/>
14	HRISTITIDIS, V. and Y. PAPAKONSTANTINOU, "DISCOVER: Keyword Search in Relational Databases", Proceedings of the 28th VLDB Conference, 2002, 12 pp.	<input type="checkbox"/>
15	KAUSHIK, R., R. KRISHNAMURTHY, J.F. NAUGHTON and R. RAMAKRISHNAN, "On the Integration of Structure Indexes and Inverted Lists," Proceedings of the 20th International Conference on Data Engineering, 2004, 1 pg.	<input type="checkbox"/>

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16	MELNIK, S., S. RAGHAVAN, B. YANG AND H. GARCIA-MOLINA, "Building a Distributed Full-Text Index for the Web," ACM Transactions on Information Systems, Vol. 19, No. 3, July 2001, pp. 217-241.	<input type="checkbox"/>
17	PRESS, W.H., B.P. FLANNERY, S.A. TEUKOLSKY AND W.T. VETTERLING, "Numerical Recipes in C: The Art of Scientific Computing", 1998, Ch. 9, pp. 258-263.	<input type="checkbox"/>
18	RAGHAVAN, S. and H. GARCIA-MOLINA, "Complex Queries over Web Repositories", Proceedings of the 29th VLDB Conference, 2003, pp. 33-44.	<input type="checkbox"/>
19	RAGHAVAN, S. and H. GARCIA-MOLINA, "Integrating Diverse Information Management Systems: A Brief Survey", IEEE Data Engineering Bulletin, 2001, Vol. 24, No. 4, pp. 44-52.	<input type="checkbox"/>
20	RAMSAK, F., V. MARKL, R. FENK, M. ZIRKEL, K. ELHARDT and R. BAYER, "Integrating the UB-Tree into a Database System Kernel", Proceedings of 26th International Conference on Very Large Data Bases, September 2000, pp. 263-272.	<input type="checkbox"/>
21	SPERTUS, E. and L.A. STEIN, "Squeal: A Structured Query Language for the Web", Proceedings of the 9th International World Wide Web Conference on Computer Networks, 2000, pp. 95-103.	<input type="checkbox"/>
22	US Patent Application Serial No. 11/182,334, filed July 14, 2005, entitled "Enforcing Native Access Control to Indexed Documents", invented by R. LEMPEL, T. LEYBA, J.A. MCPHERSON, JR., and J.L. PEREZ.	<input type="checkbox"/>
23	US Patent Application Serial No. 11/295,397, filed December 5, 2005, entitled "Improving Text Search Quality by Exploiting Organizational Information", invented by T. HAMPP, M. BAESSLER, A. LANG, T.W. GOETZ, A. BAADER, and J. DOERRE.	<input type="checkbox"/>
24	LOMET, D. (Ed.), "Bulletin of the Technical Committee on Data Engineering", December 2001, Vol. 24, No. 4, 56 pp.	<input type="checkbox"/>
25	LU, W, L. CHIEN, & H. LEE, "Anchor Text Mining for Translation of Web Queries", Proceedings from the International Conference on Data Mining, November 2001, pp. 401-408.	<input type="checkbox"/>
26	PCT International Search Report and Written Opinion, May 6, 2005, for International Application No. PCT/EP2005/050321.	<input type="checkbox"/>

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Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

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That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

- See attached certification statement.  
 Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.  
 None

**SIGNATURE**

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Janaki K. Davda/	Date (YYYY-MM-DD)	2006-09-12
Name/Print	Janaki K. Davda	Registration Number	40684

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